MX-F870

MINI-Compact System

MP3-CD/WMA-CD/CD-R/RW Playback

user manual

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SAMSUNG

Safety Warnings

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK).
NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.	**CAUTION** : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.	This symbol indicates important instructions accompanying the product.

WARNING

- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION

- Do not expose this device to dripping or splashing. Do not place items containing liquids, such as vases, on this device.
- To turn this device off entirely, you must disconnect its AC plug from the wall outlet. Consequently, the plug and AC wall outlet must be readily accessible at all times.
- Only connect this device to an AC outlet with a protective grounding connection.
- To prevent electric shock, match the wide blade of the plug to the wide slot in the wall outlet. Fully insert the plug into the wall outlet.

CLASS 1	**LASER PRODUCT**
KLASSE 1	**LASER PRODUKT**
LUOKAN 1	**LASER LAITE**
KLASS 1	**LASER APPARAT**
PRODUCTO	**LÁSER CLASE 1**

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.
Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION

- INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances, such as radios and televisions, use shielded cables and connectors for connections.

FCC NOTE (for U.S.A)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorienting or relocating the receiving antenna.
- Increasing the separation between the equipment and receiver.
- Connecting the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consulting the dealer or an experienced radio/TV technician for help.

CAUTION : FCC regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Important Safety Instructions

1). Read these instructions.

2). Keep these Instructions.

3). Heed all warnings.

4). Follow all instructions.

5). Do not use this apparatus near water.

6). Clean only with dry cloth.

7). Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8). Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9). Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10). Protect the power cord from being walked on or pinched particularly at plugs, near wall outlets, and the point where they exit from the apparatus.

11). Only use attachments and accessories specified by the manufacturer.

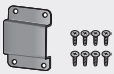
12). Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13). Unplug this apparatus during lightning storms or when unused for long periods of time.

14). Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Accessories

Check for the supplied accessories below.

					
FM/AM Antenna (AH42-00036A)	User's Manual (AH68-02606J)	Remote Control/Batteries (AH59-02554A/4301-000116)	Spacers (8 EA) (AH81-07069A)	Back bracket 4 EA /Screws 16 EA (AH81-06017A)/(AH81-07620A)	Toroidal Ferrite core (1 EA) (3301-000144) (For Power cable) (Optional)

- Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance.
- An administration fee may be charged if either
  a. an engineer is called out at your request and there is no defect in the product (i.e. where you have failed to read this user manual)
  b. you bring the unit to a repair centre and there is no defect in the product (i.e. where you have failed to read this user manual).
- The amount of such administration charge will be advised to you before any work or home visit is carried out.

Precautions

- Ensure that the AC power in your house matches the requirements listed on the identification sticker located on the back of your product.
- Do not place the product on amplifiers or other equipment which may become hot. Make sure the ventilation slots are not covered.
- Do not stack anything on top of the product.
- Before moving the product, ensure the Disc Insert Hole is empty.
- To turn off the product completely, disconnect the AC plug from the wall outlet. Disconnect the AC plug from the wall outlet if you will leave the device unused for a long period of time.
- During thunderstorms, disconnect the AC plug from the wall outlet. Voltage peaks due to lightning could damage the product.
- Do not expose the product to direct sunlight or other heat sources. This could cause the product to overheat and malfunction.
- Protect the product from moisture and excess heat and equipment creating strong magnetic or electric fields (i.e. speakers.).
- Disconnect the power cable from the AC supply if the product malfunctions.
- This product is for personal use only. It is not intended for industrial use.
- Condensation may occur if your product or a disc has been stored in cold temperatures. If transporting the product during the winter, wait approximately 2 hours until the product has reached room temperature before using.
- The batteries used with this product contain chemicals that are harmful to the environment. Do not dispose of batteries in the general household trash.
- Maintain an open space of approximately 6 inches (15 cm) on the sides and rear of the system, for ventilation purposes.
- Place the loudspeakers at a reasonable distance on either side of the system to ensure good stereo sound.
- Direct the loudspeakers towards the listening area.

Cautions on Handling and Storing Discs

Small scratches on the disc may reduce sound and picture quality or cause skipping.

Be especially careful not to scratch discs when handling them.

Holding discs

- Do not touch the playback side of the disc.
- Hold the disc by the edges so that fingerprints will not get on the surface.
- Do not stick paper or tape on the disc.

Disc Storage

- Do not keep in direct sunlight.
- Keep in a cool, ventilated area.
- Keep in a clean, protective jacket.
  Store vertically.
- Do not allow the discs to become contaminated with dirt.
- Do not use cracked or scratched discs.

Handling and Storing Discs

If you get fingerprints or dirt on a disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

- When cleaning, wipe gently from the inside to the outside of the disc
- Condensation may form if warm air comes into contact with cold parts inside the product. When condensation forms inside the product, it may not operate correctly. If this occurs, remove the disc and let the product stand for 1 or 2 hours with the power on.

Disc Types And Disc Format

This product does not support Secure (DRM) Media files.

CD-R Discs

- Some CD-R discs may not be playable depending on the disc recording device (CD-Recorder or PC) and the condition of the disc.
- Use 650MB/74 minute CD-R discs.
  Do not use CD-R discs over 700MB/80 minutes as they may not be played back.
- Some CD-RW (Rewritable) media, may not be playable.
- Only CD-Rs that are properly "closed" can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.

CD-R MP3 Discs

- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should contain no blank spaces or special characters (. / = +).
- Use discs recorded with a compression/decompression data rate greater than 128Kbps.
- Only files with the ".mp3" and ".MP3" extensions can be played.
- Only consecutively written multisession discs can be played. If there is a blank segment in a Multisession disc, the disc can be played only up to the blank segment.
- If a disc is not closed, it will take longer to begin playback and not all of the recorded files may be played.
- For files encoded in Variable Bitrate (VBR) format, i.e. files encoded in both low Bitrate and high Bitrate (e.g., 32Kbps ~ 320Kbps), the sound may skip during playback.
- A maximum of 999 tracks can be played per CD.
- Supported Audio Formats:WMA 56~128kbps Bitrate.

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Thank you for buying this SAMSUNG mini-compact system.
Please take time to read these instructions.
They will allow you to operate your system with ease and take full advantage of its features.

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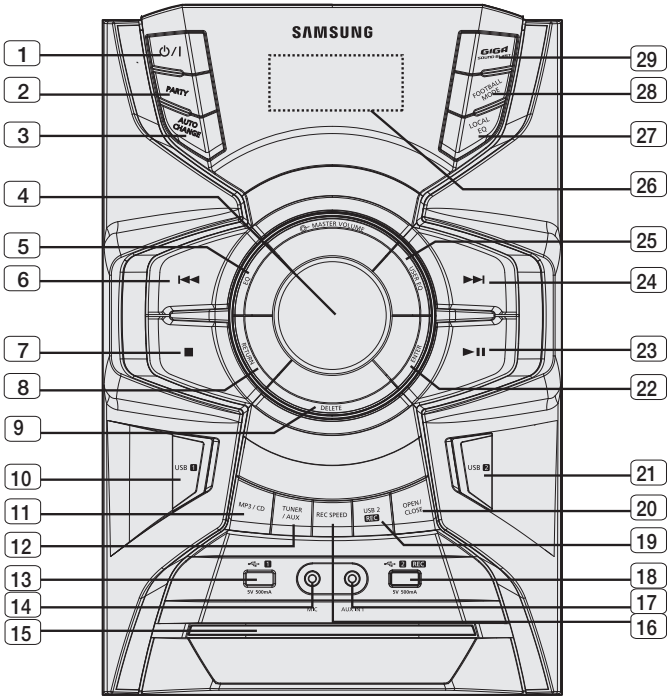
Symbols	Important	Note

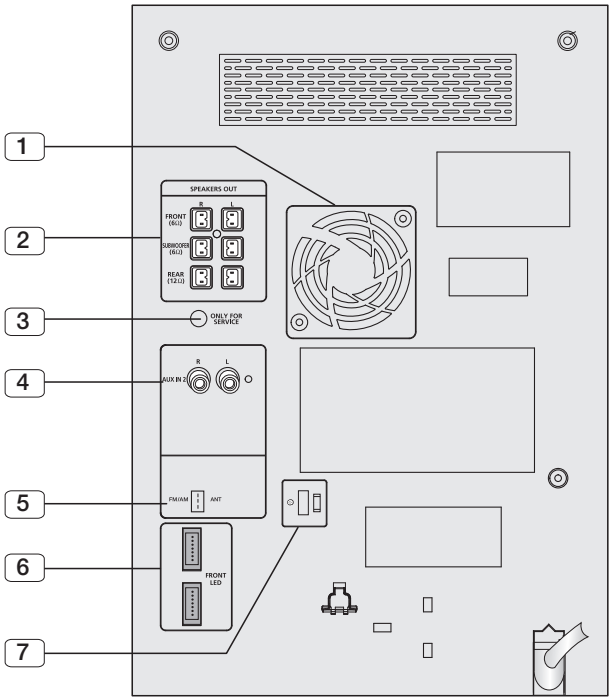
Description

Front Panel



1. POWER button
   - Press this button to switch your mini-compact system.
2. PARTY button
3. AUTO CHANGE button
4. MASTER VOLUME button
5. EQ button
6. Search/Skip button
7. STOP/Tuning Mode button
8. RETURN button
9. DELETE button
10. USB 1 button
11. MP3/CD button
12. TUNER/AUX button
13. USB 1 jack
14. MIC jack
15. Disc Tray
16. REC SPEED
17. AUX IN 1 jack
    Connecting an External Component such as an MP3 player.
    - Connect AUX IN 1 on the front panel of the MINI COMPACT to the Audio Out of the external component/ MP3 player.
    - Press the TUNER/AUX button to select the AUX 1 input.
18. USB 2 REC jack
19. USB 2 REC button
20. OPEN/CLOSE button
21. USB 2 button
22. ENTER button
23. PLAY/PAUSE button
24. Search/Skip button
25. USER EQ button
26. Window display
27. LOCAL EQ button
28. FOOTBALL MODE button
29. GIGA SOUND BLAST button

Rear Panel



1. Cooling fan

- The fan always turns when the power is on. Secure a minimum 10 cm of clear space from all sides of the fan when installing the product.

2. 4.2 CH Speaker Connector Terminals

The speaker connector terminals are located on the rear of the system.

1. To achieve the correct sound quality, insert the speaker connector cables identified below into the correct speaker terminals on the back of the system.
   - Left speaker (marked L).
   - Right speaker (marked R).

3. ONLY FOR SERVICE

- This jack is for service only. Please do not use.

4. AUX IN 2 Terminals

1. Use the Audio Cable (not supplied) to connect AUX IN 2 on the product to Audio Out on an external analog component.
   - Be sure to match connector colors.
   - If the external analog component has only one Audio Out jack, connect to either the left or right terminal.
   - Press the **TUNER/AUX** button to select the AUX 2 input.
   - When the unit is in AUX mode, if none of the buttons on the front panel are pushed for more than 8 hours, the power will automatically turn off.

5. FM/AM Antenna Connector Terminal

Plug the connector on the FM/AM antenna (supplied) into the FM/AM terminal on the rear of the system.

6. LED Terminals of the Front Speakers

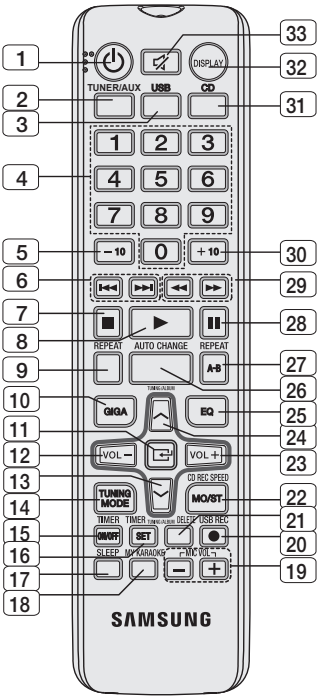
Connect the LED cables of the Front Speakers to each LED Terminals of the system. You can enjoy the special light effect on your speakers.

7. Voltage Selector (Optional)

Check the position of the voltage selector on the rear of the system(optional).

This product may not support the Voltage Selector function depending on your region.

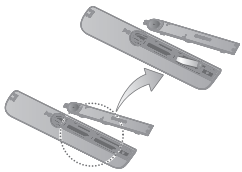
Remote Control



1. POWER
2. TUNER/AUX
3. USB
4. Number(0~9) button
   - During playback, press the desired track number. The selected track is played.
5. -10
6. Skip
7. STOP
8. PLAY
9. REPEAT
10. GIGA
11. ENTER
12. VOLUME -
13. TUNING/ALBUM ∨
14. TUNING MODE
15. TIMER ON/OFF
16. TIMER SET
17. SLEEP
    - Set a sleep time to shut off the product.
18. MY KARAOKE
19. MIC VOLUME -, +
20. USB REC
21. DELETE
22. CD REC SPEED, MO/ST
23. VOLUME +
24. TUNING/ALBUM ∧
25. EQ
26. AUTO CHANGE
27. REPEAT A-B
28. PAUSE
29. SEARCH
30. +10
31. CD
32. DISPLAY
33. MUTE
    - Turn off the sound temporarily.

Installing batteries in the Remote Control

- Match the "+" and "–" ends of the batteries with the diagram inside the battery compartment.
- Always replace both batteries at the same time.
- Do not expose the batteries to heat or a flame.
- The remote control can be used up to approximately 23 feet (7 meters) in a straight line from the system.



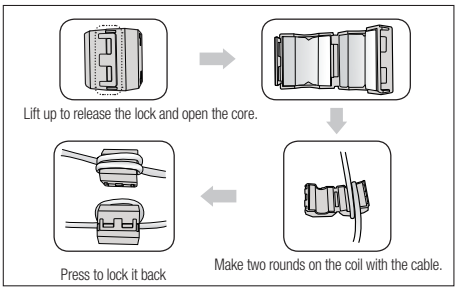
* Battery size: AAA

Attaching the toroidal ferrite core to the Power cable (optional)

If you attach a Toroidal ferrite core to the Power cable, it will help to prevent RF interference from radio signals.

1. Pull the fixing tab of the Toroidal ferrite core to open it.
2. Attach the Toroidal ferrite core to the Power cable as shown and press it until it clicks.

Installing Toroidal ferrite to Power cable



Display function

Lets you view all functions available on the display and adjust the brightness of the display/LED.

Each time you press the **DISPLAY** button on the remote control, the display mode will change as follows:

- **The Demo function**
  All functions available on the system appear on the front panel display.
- **The Dimmer function**
  The Dimmer function is selected and the display darkens.
- **LED OFF**
  The LED is turned off while the dimmer function is working.
- **Clock ON**
  The Clock you set is displayed.
- **LED/Display ON**
  ALL Display and LED turn on.

CD/MP3/WMA-CD Playback

Lets you play 12 cm compact discs without an adapter.

☛ This product is designed to play audio CDs, CDs, CD-Rs, CD-RWs, or MP3/WMA-CDs.

- Gently open or close the CD tray. Do not apply excessive force.
- Do not apply force to or place a heavy object on the product.
- Do not insert an out-of-spec. shaped CD such as a heart or octangle shaped CD. You can damage the product.
- For the best sound, maintain your compact discs carefully and correctly.

1. Press the **OPEN/CLOSE** button to open the disc tray.
2. Place a disc gently into the tray with the disc's label facing up.
3. Press the **OPEN/CLOSE** button to close the disc tray. The disc will be played automatically.
   - For MP3/WMA-CD audio, it may take several minutes to finish scanning the disc tracks.
   - If you play a file with an English name or a MP3/WMA-CD medium with an English title, the song title will be shown in the display. (Other languages besides English may not be displayed.)
   - An English-titled track containing a special character will not display.

<CD/MP3/WMA-CD PlaybackDisplay>

4. Adjust the volume by:
   - Tuning the VOLUME knob on the unit OR
   - Pressing the Vol + or – button of the remote control. The volume level can be adjust in 31 steps (VOLUME MIN, VOLUME 01 - VOLUME 29, and VOLUME MAX).
5. Main Unit
   To pause playback temporarily, press the ▶II button. Press ▶II again to continue playing the disc.
   Remote control
   To pause playback temporarily, press the **PAUSE**(II) button.
   Press the **PLAY**(▶) button to continue playing the disc.
6. To end playing, press the **STOP** (■) button.

- If there is no CD inserted in the DISC tray, the unit displays "NO DISC".
- The quality of MP3/WMA-CD playback may vary depending on the condition of the disc containing the music files or the condition of the recorder with which the disc was created.
- If different types of files or unnecessary folders are on the same disc, you will have problems with playback.
- Keep the tray closed whenever you are not using it to prevent dust from entering.
- You can load or unload a compact disc when the radio, USB or auxiliary source function is selected. Also, when you press the **OPEN/CLOSE** button, the product will automatically change to the MP3/CD mode.
- If no buttons are pressed on the product or remote control for more than 3 minutes when the product is in Pause mode, the product will change to Stop mode.
- If no buttons are pressed on the product or remote control for more than 25 minutes when the product is in Stop mode or no Disc mode, the power will automatically turn off.

Selecting a Track

You can select a desired track while a disc is being played.

To play the previous track

Press the I◀◀ button within 3 seconds after the current track starts playing.
Press the I◀◀ button twice, 3 seconds or more after the current track starts playing.

To play the next track

Press the ▶▶I button.

To play the current track from the beginning

Press the I◀◀ button once, 3 seconds after the current track starts playing.

To play the track of your choice

Press the I◀◀ or ▶▶I button to move to a desired track.

- You can also use the Number (0~9) buttons on the remote control to select a track.

Searching for a Specific Music Passage on a CD

When listening to a compact disc, you can quickly search for a specific music passage on a track.

To search	Press ...
Forwards	▶▶
Backwards	◀◀

You can also press and hold the I◀◀ or ▶▶I button on the main unit to automatically scan for a track.

Repeat One or All Tracks on a Compact Disc

You can play a CD, a group of tracks in a folder (MP3 only), or a single track repeatedly:

1. Press the **REPEAT** button.
   Each time you press the **REPEAT** button, the repeat mode will change as follows:

   MP3: OFF → TRACK → DIR → ALL → RANDOM
   CD: OFF → TRACK → ALL → RANDOM
2. When you want to stop the Repeat function, press the **REPEAT** button until "**OFF**" is displayed.
   - **OFF**: Cancels Repeat Playback.
   - **TRACK**: Repeatedly plays the selected track.
   - **DIR**: Repeatedly plays all tracks in the selected folder.
   - **ALL**: Repeatedly plays the entire disc.
   - **RANDOM**: Plays tracks in random order.

A-B Repeat Playback

You can repeatedly play back a designated section of a CD.

1. Press the **REPEAT A-B** button at the beginning of desired part.
   - **'RPT A'** will be displayed.
2. Press the **REPEAT A-B** button at the ending of desired part.
   - **'RPT AB'** will be displayed.
3. To cancel **REPEAT A-B** function, press the **REPEAT A-B** button again.
   - **'OFF'** will be displayed.

➢ REPEAT A-B function is available only within a track.

10 Skip Function

Press the **+10** or **-10** button while in playback mode. The unit will skip as many as 10 tracks forward or 10 tracks back from the current track.

CD Programming

This function is not available during playback of an MP3/WMA-CD.

- You can program the playback order of up to 24 tracks of your choice.
- However, you must stop playing the CD before selecting tracks.

1. While in CD playback mode, press the **STOP**(■) button to stop playing the CD.
2. Press the **ENTER ( )** button to display the message below:

   P01 --

   (01= program number, --= track number)
3. Use the ⏮ or ⏭ button to move to a desired track.
   - Press ⏮ to move to the previous track.
   - Press ⏭ to move to the next track.
4. Press the **ENTER ( )** button to confirm your selection, the selection is stored and P02 -- is displayed.
5. To select additional tracks, follow Steps 3 to 4 above.
6. Press the **PLAY** (▶) button to play the programmed tracks.
7. Press the **STOP**(■) button to stop playing the programmed tracks, Press the **STOP** (■) button again to cancel playing the programmed tracks.
   - If you open the disc tray or turn off the product, your programming will be canceled.

➢ In CD Program mode, if you press the USB REC or the AUTO CHANGE buttons, these functions will not work, and the unit will display "PROG".

Checking or Editing the Programmed Tracks

You can check a list of programmed tracks and edit them as you want.

1. If a programmed track is being played, press the STOP (■) button once.
2. Press the **ENTER ( )** button twice to display the message below:

   C01 02

   (C=Check, 01= program number)

   ➢ If a total of 24 tracks are already programmed, "**C**" will be displayed rather than "**P**" in the display.
3. Press the **ENTER ( )** button repeatedly until the desired track is displayed.
4. Press the ⏮ or ⏭ button to select a different track.
5. Press the **ENTER ( )** button to confirm your selection.
6. To play the programmed tracks, press the **PLAY** (▶) button.

Auto Change Function

You can play a disc followed by a USB continuously.

1. Press the **AUTO CHANGE** button.
   Each time you press this button, the mode will switch as follows:

   AUTO CHANGE ON ➞ AUTO CHANGE OFF

   - When the auto change mode is "ON", the unit will play the Disc ➞ USB 1 ➞ USB 2 continuously.
   - When the auto change mode is "ON", if you press the **POWER** button, FUNCTION button, or the **OPEN/CLOSE** button, the auto change function automatically switches to "OFF" mode.
   - When the USB is playing, if you disconnected the USB, the auto change function automatically switches to "OFF" mode.
   - When the auto change mode is "ON", the unit cannot record.
   - When the auto change mode is "ON", the REPEAT and SLEEP functions automatically change to OFF.
   - When the auto change mode is "ON", the CD REC SPEED, USB 2 REC, REPEAT, PROGRAM, DELETE and SLEEP functions do not work, and the unit displays "AUTO CHANGE ON".
   - When the DISC play ends, if there's no USB 1, the unit will continue to play music from the USB 2.
   - When the DISC play ends, if there's no USB 1 and USB 2, the unit will continue to play the disc.
   - When the USB 2 play ends, if there's no DISC, the unit will continue to play music from the USB 1.

Playing a USB Device

Connect an external storage device such as a USB flash memory or external HDD (Hard Disk Drive) to the product. You can play files in MP3/WMA format.

Before you begin!

- Connect the external USB storage device to your product.
- Select the USB mode by pressing the **USB 1** or **USB 2** button on the main unit or select **USB 1** or **USB 2** by pressing the **USB** button on the remote control.
- The first track of the first directory plays automatically, and the play order is as below:

  If you select USB 1, USB 1 → STOP.
  If you select USB 2, USB 2 → STOP.

  ➢ **To stop playing**

  Press the **STOP** (■) button to stop playing.

  ➢ **To remove the USB device**

  If you press the **STOP** (■) button once again, you can remove the USB device safely.

  ☛ Do not connect a USB recharger to the USB port of this product. You can damage the product.

To Select a Track from a USB Device

You can select an MP3 file during play.

➢ If you want to move to the previous/next track, press the ⏮,⏭ buttons briefly.

- The unit moves to the previous/next file within the directory.
- If you press the ⏮,⏭ buttons more times than the number of the files in the directory, the unit moves to the next directory.

To Search a Folder Quickly

1. Press the **TUNING/ALBUM** button on the remote control to move to the previous/next folder.
2. When the search is done, you will see the previous/next folder name. The track will start playing.

To repeat

1. Press the **REPEAT** button.
   Each time you press the **REPEAT** button, the repeat mode will change as follows:
   OFF → TRACK → DIR → ALL → RANDOM
2. When you want to stop the Repeat function, press the **REPEAT** button until "**OFF**" is displayed.
   - **OFF**: Cancels Repeat Playback.
   - **TRACK**: Repeatedly plays the selected track.
   - **DIR**: Repeatedly plays all tracks in the selected folder.
   - **ALL**: Repeatedly plays all tracks.
   - **RANDOM**: Plays tracks in random order.

To Use High Speed Search

You can search the desired section quickly during play.

➢ Press the ◀◀,▶▶ button.

- Each time you press the button, you will move forward/backward fast.

☛ The sound will not output in fast playback mode.

To delete a file

You can delete a file on your USB device.

1. Play a file you want to delete.
2. Press the **DELETE** button.
3. Press ⏮ or ⏭ to select YES.
   - To cancel the selection, press the **RETURN** button on the main unit.
4. Press the **ENTER** button on the remote control or the **DELETE** button.
   The selected file will be deleted.

☛ The NTFS file system is not supported.

To skip 10 tracks

Press the **+10** or **-10** button while in playback mode. The unit will skip as many as 10 tracks forward or 10 tracks back from the current track.

Read through the instructions below before using a USB device with this unit.

- Some USB devices may not work properly with this product.
- This product only supports external HDD's that are formatted in the FAT file system.
- USB 2.0 HDD's should be connected to a separate power source. Otherwise, the USB 2.0 HDD's will not work.
- If a USB external storage device is connected to multiple devices, only the MP3 files in the first HDD will be played.
- DRM-applied files are not supported. Digital Right Management restricts unauthorized access to a DRM file so that the copyright of the file is protected from piracy.
- Even if the extension of the file is .mp3, the file cannot be played if it is formatted in MPEG layer 1 or 2.
- Do not use an unrecognized USB hub.
- Only the first 15 characters of a MP3/WMA file are displayed.
- Only removable HDDs with less than 160GB are supported. Depending on the device, a 160GB or more removable HDD may not be supported.
- It can take several minutes for the product to recognize the files on a USB device.
- USB devices (particularly, USB HDDs) may cause a delay when moving to the next track.
- With USB devices supporting only USB VER. 1.1, the unit may access files slowly or may not recognize file properties.
- If no buttons are pressed on the product or remote control for more than 3 minutes when the product is in Pause mode, it will be changed to Stop mode.
- If no buttons are pressed on the product or remote control for more than 25 minutes when the product is in Stop mode or no USB mode, the power will automatically turn off.

Setting the Clock

During each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

1. Switch the system on by pressing the **POWER** (⏻/I) button.
2. Press the **TIMER SET** button and then press the **ENTER** (↵) button, "CLOCK" is displayed.
3. Press the **ENTER** (↵) button. The hour flashes.
   - Increase the hours: ∧
   - Decrease the hours: ∨
4. When the correct hour is displayed, press the **ENTER** (↵) button. The minutes flash.
   - Increase the minutes: ∧
   - Decrease the minutes: ∨
5. When the correct minute is displayed, press the **ENTER** (↵) button. "⏲ **TIME**" appears in the display.
   - The current time is now set.

➢
- You can display the time, even when you are using another function, by pressing the **TIMER SET** button once.
- You can also use the ⏭ or ⏮ on the front panel instead of the **TUNING/ALBUM** ∧ or ∨ button in Steps 3 and 4.

Timer Function

The timer enables you to switch the system on or off at specific times automatically.

- Before setting the timer, check that the current time is correct.
- During each step, you have a few seconds to set the required options. If you exceed this time, you must start again.
- If you no longer want the system to be switched on or off automatically, you must cancel the timer by pressing the **TIMER ON/OFF** button.

Example: You want to wake up to music every morning.

1. Switch the system on by pressing the **POWER** (⏻/I) button.
2. Press the **TIMER SET** button until ⏲ **TIME** is displayed.
3. Press the **ENTER** (↵) button.
   Result: **ON** is displayed for a few seconds. You can set the timer switch-on time.
4. Set the timer switch-on time.
   a Press the **TUNING/ALBUM** ∧ or ∨ button to set the hours.
   b Press the **ENTER** (↵) button.
   Result: The minutes flash.
   c Press the **TUNING/ALBUM** ∧ or ∨ button to set the minutes.
   d Press the **ENTER** (↵) button.
   Result: **OFF** is displayed for a few seconds. You can now set the timer switch-off time.
5. Set the timer switch-off time.
   a Press the **TUNING/ALBUM** ∧ or ∨ button to set the hours.
   b Press the **ENTER** (↵) button.
   Result: The minutes flash.
   c Press the **TUNING/ALBUM** ∧ or ∨ button to set the minutes.
   d Press the **ENTER** (↵) button.
   Result: **VOL XX** is displayed, where **XX** corresponds to the volume already set.
6. Press the **TUNING/ALBUM** ∧ or ∨ button to adjust the volume level and press the **ENTER** (↵)button.
   Result: The source to be selected is displayed.
7. Press the **TUNING/ALBUM** ∧ or ∨ button to select the desired source to be played when the system switches on.

If you select...	You must also...
FM/AM (radio)	**a** Press the **ENTER** (↵) button. **b** Select a preset station by pressing the **TUNING/ALBUM** ∧ or ∨ button.
CD/MP3 (compact disc)	Load one compact disc.
USB	Connect the USB device.

8. Press the **ENTER** (↵) button.
   Result: **CHKREC** (Do you want to record?) is displayed.
9. Press the **ENTER** (↵) button.
   Result: **REC N** is displayed, you can press the **TUNING/ALBUM** ∧ or ∨ button to select the **REC Y** or **REC N**, and then press **ENTER** (↵) button.
   1) If you select the **REC N**, it will cancel tuner timing recording even if you have already set the tuner timing recording.
   2) If you select the **REC Y**, you can set the tuner timing recording.
   a. Press the **ENTER** (↵) button.
   Result: **ON** is displayed for a few seconds. You can set the tuner timing recording switch-on time.
   b. Press the **ENTER** (↵) button.
   Result: **OFF** is displayed for a few seconds. You can set the tuner timing recording switch-off time.

➢
- The maximum tuner timing recording time is 5 hours.
- If the timer switch on and off times are identical, the word **ERROR** is displayed.
- If there is no disc or usb, when you select the "CD, USB, it will automatically change to "TUNER".
- You may use the ⏭, ⏮ buttons on the main unit instead of the **TUNING/ALBUM** ∧ or ∨ button to adjust in Steps 4 through 9.
- If the switch-on or -off time is the same as the timing recording time, only the switch-on or -off time is effective, and the timing recording time is not applied.
- If the auto timer is turned on, the MP3/CD or USB function may require an additional step to be activated depending on the disc (or device). It is better for you to select the tuner function instead.

Cancelling the Timer

After you have set the timer, the unit will start automatically at the time shown by the TIMER indication on the display. If you no longer want to use the timer, you must cancel it.

To	Press the TIMER ON/OFF button....
Cancel the timer	Once. Result: ⏲ is no longer displayed.
Restart the timer	Twice. Result: ⏲ is displayed again.

- When you select the TIMER OFF mode, the TIMER RECORDING and TIME function are not available.

Listening to Radio

You can store up to:

15 FM stations, 15 AM stations.

1. Select **FM** or **AM** by pressing the **TUNER/AUX** button.
2.

To search for a station	Press the TUNING MODE button
Preset	One or more times until **PRESET** is displayed. You can search the stored frequencies in the Preset mode.
Manually	One or more times until **MANUAL** is displayed. You can search the frequencies one by one in the Manual mode.

3. Select the station to be stored by:
   - Pressing the **TUNING/ALBUM** ∧ or ∨ button on the remote control to select the preset station.
   - Press and hold the **TUNING/ALBUM** ∧ or ∨ button on the remote control to automatically search for active broadcasting stations.
4. Press the **MO/ST** button to switch between stereo and mono.
   - In a poor reception area, select **MONO** for a clear, interference-free broadcast.
   - This applies only when listening to an FM station.
5. If you do not want to store the radio station found, return to Step **3** and search for another station.
   Otherwise:
   a. Press the **ENTER** button.
   b. Or, press the **TUNING/ALBUM** button on the remote control to select a program number.
   c. Press the **ENTER** button to save the preset.
6. To store additional radio frequencies, repeat Steps 3 through 5.

➢ **In Tuner mode**
- In the Manual mode, you can use the ⏮ or ⏭ button on the main unit to manually search for a radio station.
- In the Preset mode, you can use the ⏮ or ⏭ button on the main unit to search for a stored radio station.

Selecting a Stored Station

You can listen to a stored radio station.

1. Select **FM** or **AM** by pressing the **TUNER/AUX** button.
2. Press the **TUNING MODE** button on the remote control until "**PRESET**" is displayed.
3. Press the ⏮ or ⏭ button on the main unit or the **TUNING/ALBUM** ∧ or ∨ on the remote control to select a desired preset number.

Recording Function

You can record from a CD, radio broadcast, or an external source to a USB storage device.

1. Connect an external USB storage device to the USB 2 (⇽ 2 REC) jack on your product.
2. Play a disc, tune to a station, or connect an external source to your product.

   CD
   - Press the **MP3/CD** button on the main unit to select the CD function.
   - Press the **OPEN/CLOSE** button to open the disc tray.
   - Insert a CD and press the **OPEN/CLOSE** button to close the disc tray.
   - Use the CD selection (⏮ or ⏭) buttons to select the desired song.

   Tuner
   - Select TUNER by pressing the **TUNER/AUX** button.
   - Tune to a station you want to record.

   External Source
   - Connect an External Component/MP3 player to your product.
   - Press the **TUNER/AUX** button to select <AUX> input.
   - Play a song from the external device.

   USB 1
   - Connect an USB to USB 1 jack of your product.
   - Press the **USB 1** button to select USB 1.
   - Play a song from the USB 1.
3. Press the **USB REC** button on the remote control or the **USB 2 REC** button on the main unit to start recording.

   CD
   - "TRACK RECORDING" is displayed and CD recording starts.
   - Press and hold the **USB REC** button on the remote control or press and hold the **USB 2 REC** button on the main unit to start recording all tracks on the disc. "FULL CD RECORDING" is displayed.

   MP3-CD, USB 1
   - Press the **USB REC** button. The current playing file is copied onto the USB device.
   - Press and hold the **USB REC** button. All the files of the current folder are copied onto the USB device.
   - When you connect a Microphone, press the USB REC button. The current playing file is recorded onto the USB device, and the sound from the Microphone is recorded too.
     MP3 RECORDING: "MP3 RECORDING"➞"RECORD"
     CD COPY: "CHECK"➞"START"➞"COPY XX"➞"COPY END"
     is displayed. When the recording is done, "STOP" will be displayed.
   - If there is a duplicate file name, "FILE EXIST" is displayed, and the function is canceled.

   Tuner /External Source
   - RECORD is displayed.
4. To stop recording, press the **STOP** (■) button. The unit automatically creates and saves recorded files in .MP3 format (SAM-XXXX.MP3).
5. To remove the USB device safely, press the **STOP** (■) button once again. After recording, a directory named "RECORDING(DISCxxxx)"(FULL CD RECORDING), "RECORDING"(TRACK RECORDING), "CD COPY"(MP3 CD/USB), "MP3 RECORDING"(MP3 CD), "TUNER RECORDING" or "AUX RECORDING" is created on your USB device.

- Do not disconnect the USB or the AC Cord during recording as this may cause damage to the file.
- WMA/MP2 files can be copied but not recorded.
- If you disconnected the USB device during a recording, the main unit powers off and you will not be able to delete the recorded file from your USB device. If this occurs, please connect the USB device to a PC and backup the USB data to the PC first, and then format the USB device.
- When the USB memory has insufficient free space, the system will display "NOT ENOUGH MEMORY".
- The USB device or HDD you are recording to must be formatted in the FAT file system. The NTFS file system is not supported.
- When you use the CD high speed search function, CD recording is not available.
- Sometimes, the recording time may be longer with some USB devices.
- In the program mode, you can't use the CD recording function.
- The equalizer is set to "OFF" automatically and is not available during a CD recording.
- The GIGA SOUND function is set to "OFF" automatically and is not available during a CD recording.
- The REPEAT function is set to "OFF" automatically and is not available during a CD recording.
- If you use the MIC function during a CD recording, the voice from the microphone will be recorded.
- You can not record the radio when searching or when no available station is found in the Tuner mode.
- Note that setting the input level too loud when recording music from an external device through the AUX or USB channel may cause noise in the recording. If this occurs, lower the external device's volume level.
- The maximum TUNER/AUX recording time is 5 hours.

Recording Speed

You can select the recording speed before recording.

Each time you press the CD REC SPEED button on the remote control, the recording speed will change as follows:

RECORD SPD X 1 ➞ RECORD SPD X 4

- When you record from the tuner or an external source, you cannot change the recording speed.
- If you select RECORD SPD X 4, sound is not produced during the recording.
- If you connected the microphone, you have one recording speed mode available: RECORD SPD X 1.
- During recording, if you disconnect the microphone, the recording will stop. If you reconnect the microphone, the recording will not restart.

GIGA SOUND function

The GIGA SOUND function amplifies the bass sound and provides twice the bass for powerful, realistic sound.

1. Press the **GIGA SOUND BLAST** button on the main unit or the **GIGA** button on the remote control. Each time you press this button, the sound switches as follows:
   OFF ➞ GIGA SOUND BLAST
2. To cancel this function, press the **GIGA SOUND BLAST** button until "**OFF**" is displayed.
   - The **GIGA SOUND** mode may be different depending on your region.

Selecting EQ Mode

Your mini-compact system provides predefined equalizer settings that are optimized for particular music genre. You can also adjust the bass, middle and treble levels manually.

1. Press the **EQ** button.
   Each time you press this button, the sound mode will change as follows:
   OFF➞FLAT➞RANCHERA➞SAMBA➞CUMBIA ➞HABANERA➞BOOMBA➞REGGAE➞MERENGUE ➞SALSA➞PARTY➞POP➞HIP HOP➞ROCK➞JAZZ ➞CLASSIC➞ELECTRONIC➞MP3 ENHANCER ➞VIRTUAL SOUND➞U B 0
2. To set the BASS, MIDDLE, TREBLE level manually:
   Press the **ENTER** button when you select the U B 0.
   Result: The BASS level flashes.
   Press the **TUNING/ALBUM** ∧ or ∨ button to select a level from -06 to 06.
   Press the **ENTER** button.
   Result: The MIDDLE level flashes.
   Press the **TUNING/ALBUM** ∧ or ∨ button to select a level from -06 to 06.
   Press the **ENTER** button.
   Result: The TREBLE level flashes.
   Press the **TUNING/ALBUM** ∧ or ∨ button to select a level from -06 to 06.
   Press the **ENTER** button.
   Result: setting is complete.

- The equalizer is set to "OFF" automatically and is not available during a CD recording.
- If no buttons are pressed within 4 seconds, your settings will automatically be cancelled and the previous settings will be saved.
- The equalizer mode may be different depending on your region.

Selecting USER EQ Mode

You can directly select the user EQ mode by pressing the USER EQ button.

1. Press the **USER EQ** button on the main unit until the required option is selected.
   Each time you press this button, the sound mode will switch as follows: OFF ➞ U B 0
2. You can refer the above to set the BASS, MIDDLE, TREBLE level.

- The equalizer is set to "OFF" automatically and is not available during a CD recording.
- If no buttons are pressed within 4 seconds, your settings will automatically be cancelled and the previous settings will be saved.
- The equalizer mode may be different depending on your region.

Selecting LOCAL EQ Mode

You can directly select the LOCAL EQ mode by pressing the LOCAL EQ button.

1. Press the **LOCAL EQ** button on the main unit until the required option is selected.
   Each time you press this button, the sound mode will switch as follows:
   OFF➞FLAT➞RANCHERA➞SAMBA➞CUMBIA ➞HABANERA➞BOOMBA➞REGGAE➞MERENGUE ➞SALSA

- The Local equalizer is set to "OFF" automatically and is not available during a CD recording.
- If no buttons are pressed within 4 seconds, your settings will automatically be cancelled and the previous settings will be saved.
- The equalizer mode may be different depending on your region.

Using the FOOTBALL MODE

The football mode brightens the audio you are listening to by amplifying the treble and mid-range.

1. Press the **FOOTBALL MODE** button on the main unit. Each time you press this button, the sound mode switches as follows:

   OFF ➞ FOOTBALL MODE 1 ➞ FOOTBALL MODE 2
2. To cancel this function, press the **FOOTBALL MODE** button until "**OFF**" is displayed.
   - The **FOOTBALL MODE** may be different depending on your region.

Party function

You can choose a desired party mode.

1. Press the **PARTY** button. Each time press this button, the party mode will switch as following:

   PARTY 1 ➞ PARTY 2 ➞ PARTY 3 ➞ OFF

Connecting a Microphone

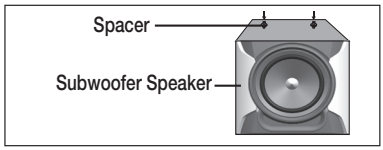
You can insert a microphone to sing along with your favorite CDs.

1. Connect a mono microphone (3.5ø) to the MIC jack on the front of the product.
2. Press the **MIC VOL-, +** button to adjust the volume of the microphone.
3. Press the **MY KARAOKE** button to turn My Karaoke on and off. Each time the button is pressed, the selection changes as follows: ON ➞ OFF.
   - If you hear strange noises (squealing or howling) while using the Karaoke feature, move the microphone away from the speakers. Turning down the microphone's volume or the speaker volume is also effective.
   - The microphone does not operate in the AUX or TUNER modes.
   - If you connect a microphone, GIGA SOUND will automatically turn off. Even if you remove the microphone, it will not turn on.
   - When My Karaoke is on, EQ/LOCAL EQ/USER EQ/ FOOTBALL MODE/GIGA SOUND do not work.
   - The system does not retain the My Karaoke setting after you turn My Karaoke off.
   - Use a mono microphone. If you connect a stereo microphone to the unit, the microphone might not work properly.
   - The MY KARAOKE function is available only when you have connected a Microphone to the unit.

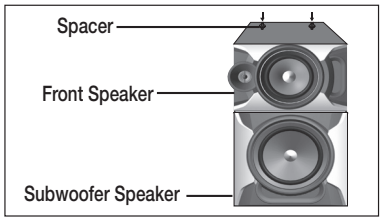
Stacking the Speakers

You can stack and install the speakers as described in the figure.

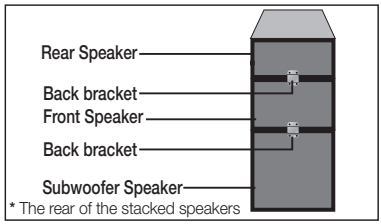
1. Insert 2 spacers into the holes of the Subwoofer (L) and fix them.



2. Stack the Front Speaker(L) horizontally on the Subwoofer(L).
3. Insert 2 spacers into the holes of the Front Speaker(L) and fix them.

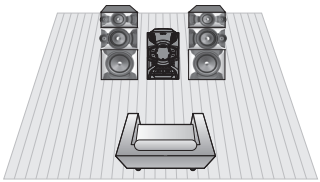


4. Stack the Rear Speaker(L) on the Front Speaker (L).
5. To fix the speakers securely, attach the back bracket on the rear of the Front speaker(L), Rear speaker (L) and Subwoofer speaker by fastening provided 8 screws.



◆ Follow steps 1-5 above to stack the Right Speakers.

6. This is the completion of the speaker stack.



Troubleshooting

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instructions below do not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

Symptom	Check/Remedy
I cannot eject the disc.	• Is the power cord plugged securely into the outlet? • Turn off the power and then turn it back on.
Playback does not start immediately when the Play/Pause button is pressed.	• Are you using a deformed disc or a disc with scratches on the surface? • Wipe the disc clean.
Sound is not produced.	• No sound is heard during fast playback and slow playback. • Are the speakers connected properly? Is the speaker setup correctly customized? • Is the disc severely damaged?
The remote control does not work.	• Is the remote control being operated within its operational angle and distance range? • Are the batteries drained?
• The product is not working. (Example: The power goes out or the front panel key doesn't work or or you hear a strange noise.) • The product is not working normally.	• Reset the unit: With no disc inserted and the “NO DISC” message on the display of the product, press and hold the **STOP** (■) button on the main unit for longer than 5 seconds. Using the **RESET** function will erase all stored settings. Do not use this unless necessary.
Can't receive radio broadcast.	• Is the antenna connected properly? • If the antenna's input signal is weak, install an external FM antenna in an area with good reception.

Specifications

General	Weight	3.9 Kg
	Dimensions	233 (W) x 351 (H) x 300 (D) mm
	Operating Temperature Range	+5°C~+35°C
	Operating Humidity Range	10 % to 75 %
FM Tuner	Signal/noise ratio	55 dB
	Usable sensitivity	12 dB
	Total harmonic distortion	0.6 %
AM Tuner	Signal/noise ratio	35 dB
	Usable sensitivity	70 dB
	Total harmonic distortion	4 %
CD Disc	CD : 12 cm (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec.
		Maximum Play Time : 74 min.
Amplifier		MX-F870- 1650 Watts (MAX)
	Front speaker output	330 W/CH (6 Ω/100 Hz)
	Rear speaker output	165 W/CH (12 Ω/100 Hz)
	Subwoofer	330 W/CH (6 Ω/100 Hz)
	Frequency range	20 Hz~20 KHz
	S/N Ratio	75 dB
	Channel separation	50 dB
	Input sensitivity	(AUX)800 mV

*: Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.
- Design and specifications are subject to change without prior notice.
- For information on the power supply and power consumption, refer to the label attached to the product.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

Area	Contact Centre ☎	Web Site
▪ North America		
Canada	1-800-SAMSUNG (726-7864)	www.samsung.com
Mexico	01-800-SAMSUNG (726-7864)	www.samsung.com
U.S.A	1-800-SAMSUNG (726-7864)	www.samsung.com
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Argentine	0800-333-3733	www.samsung.com
Brazil	0800-124-421 / 4004-0000	www.samsung.com
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Puerto Rico	1-800-682-3180	www.samsung.com
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▪ Europe		
Albania	42 27 5755	-
Austria	0810 - SAMSUNG (7267864, € 0.07/min)	www.samsung.com
Belgium	02-201-24-18	www.samsung.com/be (Dutch) www.samsung.com/be_fr (French)
Bosnia	05 133 1999	-
Bulgaria	07001 33 11	www.samsung.com
Croatia	062 SAMSUNG (062 726 7864)	www.samsung.com
Czech	800-SAMSUNG (800-726786) Samsung Zrt., česká organizační složka, Oasis Florenc, Sokolovská394/17, 180 00, Praha 8	www.samsung.com
Denmark	70 70 19 70	www.samsung.com
Finland	030 - 6227 515	www.samsung.com
France	01 48 63 00 00	www.samsung.com
Germany	01805 - SAMSUNG (726-7864 € 0,14/Min)	www.samsung.com
Hungary	06-80-SAMSUNG (726-7864)	www.samsung.com
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Kosovo	+381 0113216899	-
Luxemburg	261 03 710	www.samsung.com
Montenegro	020 405 888	-
Netherlands	0900-SAMSUNG (0900-7267864) (€ 0,10/Min)	www.samsung.com
Norway	815-56 480	www.samsung.com
Poland	0 801 1SAMSUNG (172678) / 022-607-93-33	www.samsung.com
Portugal	80820-SAMSUNG (726-7864)	www.samsung.com
Rumania	1. 08010 SAMSUNG (72678) - doar din rețeaua Romtelecom, tarif local 2. 021.206.01.10 - din orice rețea, tarif normal	www.samsung.com
Serbia	0700 Samsung (0700 726 7864)	www.samsung.com
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Eire	0818 717100	www.samsung.com
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